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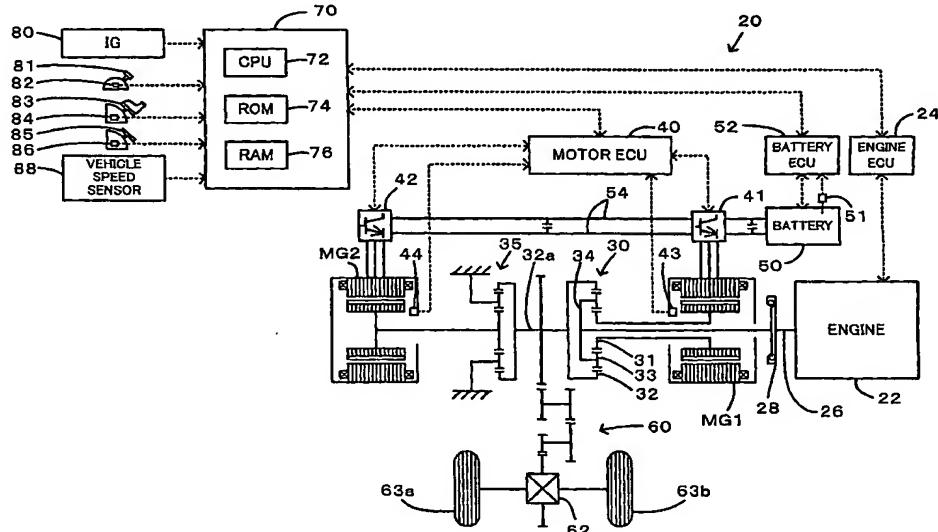
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(54) Title: POWER OUTPUT APPARATUS, METHOD OF CONTROLLING THE SAME, AND AUTOMOBILE



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(57) Abstract: The technique of the invention sets an upper limit torque $T_{m1\max}$ and a lower limit torque $T_{m1\min}$ output from a motor generator, based on input and output restrictions W_{in} and W_{out} of a battery, a motor electric power demand P_{m2} , an auxiliary machinery electric power demand P_{csm} , and a potential loss P_{loss} (step S150). The technique then restricts a target revolution speed Ne^* of an engine to make an output torque of the motor generator within a range of the lower limit torque $T_{m1\min}$ to the upper limit torque $T_{m1\max}$ (steps S180 to S200). This arrangement ensures output of a torque in response to a driver's requirement, while effectively preventing the battery from being charged or discharged excessively.